

**HOGAN & HARTSON L.L.P.**500 SOUTH GRAND AVENUE  
SUITE 1900  
LOS ANGELES, CA 90071RECEIVED  
CENTRAL FAX CENTER

AUG 16 2004

Tel.: (213) 337-6700

Fax: (213) 337-6701

WASHINGTON, DC  
BRUSSELS  
BUDAPEST\*  
LONDON  
MOSCOW  
PARIS\*  
PRAGUE\*  
WARSAW  
BALTIMORE, MD  
BOULDER, CO  
COLORADO SPRINGS, CO  
DENVER, CO  
McLEAN, VA  
NEW YORK, NY  
ROCKVILLE, MD

\*Affiliated Office

**IMPORTANT NOTICE**  
**TELECOPY/FACSIMILE COVER LETTER**TO: Examiner Matthew A. Anderson  
U.S. Patent and Trademark Office  
Group Art Unit 1765DATE: August 16, 2004FROM: John P. Scherlacher  
Voice: (213) 337-6846  
Fax: (213) 337-6701  
jpscherlacher@hhlaw.comTIME: **OFFICIAL**TOTAL NO. OF PAGES, INCLUDING COVER: 12

The attached information is **CONFIDENTIAL** and is intended only for the use of the addressee(s) named above. If the reader of this message is not the intended recipient(s) or the employee or agent responsible for delivering the message to the intended recipient(s), please note that any dissemination, distribution or copying of this communication is strictly prohibited. Anyone who receives this communication in error should notify us immediately by telephone and return the original message to us at the above address via the U.S. Mail.

**MESSAGE:**RE: U.S. Patent Application Serial No. 10/030,867 filed April 29, 2002  
Applicant: Masanori KIMURA; For: METHOD FOR GROWING SEMICONDUCTOR SINGLE CRYSTAL-- John P. Scherlacher, Reg. No. 23,009  
Direct Phone No. (213) 337-6846**FOR INTERNAL PURPOSES ONLY**TELECOPY/FAX NUMBER: (703) 872-9306CLIENT NUMBER: 81839.0105ATTORNEY BILLING NUMBER: 71931CONFIRMATION NUMBER: (571) 272-1459

S.N. 10/030,867 File No. 81839.0105 Date Mailed 08/16/04 By: AJO:rm  
Title: METHOD FOR GROWING SEMICONDUCTOR SINGLE CRYSTAL  
(Client Name) Yoshimiya Patent Office  
The Following, due 08/18/04 in the U.S. Patent & Trademark Office  
was received in the Patent & Trademark Office on the date stamped hereon:

- ☒ Response To Office Action  
☒ Letter of Transmittal

*Via Fax & Mail*

#133194 v1 pcd81839.0105

       CHECK NO.        FOR

FORM PTO-1083

AUG 16 2004

81839.0105

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Masanori KIMURA

Serial No: 10/030,867

Filed: April 29, 2002

For: METHOD FOR GROWING SEMICONDUCTOR  
SINGLE CRYSTAL

Art Unit: 1765

Examiner: Matthew A. Anderson

OFFICIAL

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that this paper and every  
paper referred to herein is being transmitted  
via facsimile to recipient at (703) 872-9306 on:

August 16, 2004

Date of Facsimile Transmission

John P. Scherlach, Reg. No. 23,009

Name

John P. Scherlach 08/16/04

Signature

Date

I hereby certify that this correspondence is  
being deposited with the United States Postal  
Service with sufficient postage as first class  
mail in an envelope addressed to:  
Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450, on  
August 16, 2004

Date of Deposit

John P. Scherlach, Reg. No. 41,232

Name

John P. Scherlach 08/16/04

Signature

Date

Transmitted herewith is an amendment in the above-identified application.

- ☐ Small entity status has been claimed. See 37 CFR § 1.27.
- ☐ A Notice Of Change Of Attorney's Address and Associate Power Of Attorney is enclosed.
- ☒ No additional fee is required.

The fee has been calculated as shown below:

	(Col. 1) CLAIMS REMAINING AFTER AMENDMENT		(Col. 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Col. 3) PRESENT EXTRA*	LG/SM \$ ENTITY FEE	ADD'L FEE DUE
TOTAL CLAIMS FEE	5	-20	20	**	LG=\$18 SM=\$9	\$ 0
INDEPENDENT CLAIMS FEE	1	-3	3	***	LG=\$66 SM=\$43	\$ 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIMS					LARGE ENTITY FEE = \$290 SMALL ENTITY FEE = \$145	\$ 0
TOTAL						\$ 0

- \* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.
- \*\* If the "Highest-Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
- \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box on Col. 1 of a prior amendment or the number of claims originally filed.

- ☐ A check in the amount of \$ -0- to cover the additional claims fee is enclosed. A copy of this sheet is enclosed.
- ☐ A check in the amount of \$ -0- to cover the extension fee is enclosed. A copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge any deficiencies of fees associated with this communication or credit any overpayment to Deposit Account No. 50-1314. A copy of this sheet is enclosed.
- ☒ Any filing fees under 37 C.F.R. § 1.16 for the presentation of extra claims
- ☒ Any patent application processing fees under 37 C.F.R. § 1.17

Respectfully submitted,  
HOGAN & HARTSON L.L.P.By: John P. ScherlachJohn P. Scherlach  
Registration No. 23,009  
Attorney for Applicant(s)

Date: August 16, 2004

Biltmore Tower  
500 South Grand Avenue, Suite 1900  
Los Angeles, California 90071  
Telephone: 213 337-6700  
Facsimile: 213 337-6701

FORM PTO-1083

AUG 16 2004

81839.0105

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OFFICIAL

In re application of:

Masanori KIMURA

Serial No: 10/030,867

Filed: April 29, 2002

For: METHOD FOR GROWING SEMICONDUCTOR  
SINGLE CRYSTAL

Art Unit: 1765

Examiner: Matthew A. Anderson

Mail Stop AF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that this paper and every  
paper referred to herein is being transmitted  
via facsimile to recipient at (703) 872-9306 on:

August 16, 2004

Date of Facsimile Transmission

John P. Scherlach, Reg. No. 23,009

Name

John P. Scherlach 08/16/04

Signature

Date

I hereby certify that this correspondence is  
being deposited with the United States Postal  
Service with sufficient postage as first class  
mail in an envelope addressed to:

Mail Stop AF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450, on

August 16, 2004

Date of Deposit

John P. Scherlach, Reg. No. 41,232

Name

John P. Scherlach 08/16/04

Signature

Date

Transmitted herewith is an amendment in the above-identified application.

- ☐ Small entity status has been claimed. See 37 CFR § 1.27.
- ☐ A Notice Of Change Of Attorney's Address and Associate Power Of Attorney is enclosed.
- ☒ No additional fee is required.

The fee has been calculated as shown below:

	(Col. 1) CLAIMS REMAINING AFTER AMENDMENT		(Col. 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Col. 3) PRESENT EXTRA*	LG/SM \$ ENTITY FEE	ADD'L FEE DUE
TOTAL CLAIMS FEE	5	-20	20 **	0	LG=\$18 SM=\$9	\$ 0
INDEPENDENT CLAIMS FEE	1	-3	3 ***	0	LG=\$66 SM=\$43	\$ 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIMS					LARGE ENTITY FEE = \$290 SMALL ENTITY FEE = \$145	\$ 0
TOTAL						\$ 0

\* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box on Col. 1 of a prior amendment or the number of claims originally filed.

- ☐ A check in the amount of \$-0- to cover the additional claims fee is enclosed. A copy of this sheet is enclosed.
- ☐ A check in the amount of \$-0- to cover the extension fee is enclosed. A copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge any deficiencies of fees associated with this communication or credit any overpayment to Deposit Account No. 50-1314. A copy of this sheet is enclosed.
- ☒ Any filing fees under 37 C.F.R. § 1.16 for the presentation of extra claims
- ☒ Any patent application processing fees under 37 C.F.R. § 1.17

Respectfully submitted,  
HOGAN & HARTSON L.L.P.

By:

John P. Scherlach

Registration No. 23,009

Attorney for Applicant(s)

Date: August 16, 2004

Biltmore Tower  
500 South Grand Avenue, Suite 1900  
Los Angeles, California 90071  
Telephone: 213 337-6700  
Facsimile: 213 337-6701

RECEIVED  
CENTRAL FAX CENTER

2133376701

T-026 P.005/012 F-166

AUG 16 2004

Appl. No. 10/030,867  
Amdt. Dated August 16, 2004  
Reply to Office Action of May 18, 2004

Attorney Docket No. 81839.0105  
Customer No. 26021

OFFICIAL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Masanori KIMURA

Serial No.: 10/030,867

Confirmation No.: 8937

Filed: April 29, 2002

For: METHOD FOR GROWING  
SEMICONDUCTOR SINGLE  
CRYSTAL

Art Unit: 1765

Examiner: Matthew A. Anderson

**RESPONSE TO FINAL OFFICE ACTION**  
**UNDER 37 C.F.R. § 1.116**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that this paper and every paper  
referred to herein is being transmitted via  
facsimile to recipient at (703) 872-9306 on:

August 16, 2004

Date of Facsimile Transmission

John P. Scherlach, Reg. No. 23,009

Name

Signature

08/16/04

Date

I hereby certify that this correspondence is  
being deposited with the United States  
Postal Service with sufficient postage as  
first class mail in an envelope addressed to:

Mail Stop AF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

August 16, 2004

Date of Deposit

John P. Scherlach, Reg. No. 23,009

Name

Signature

08/16/04

Date

In response to the Office Action of May 18, 2004, please enter and consider  
the following remarks set forth below:

Amendments to the claims are reflected in the listing of claims which begins  
on page 2 of this paper.

Remarks/Arguments begin on page 4 of this paper.